

Claims

1. A bracket (1) for lingual orthodontics, comprising:
 - a base (2) adapted to be fastened onto the lingual side of a tooth;
 - 5 – a plurality of projecting engaging tabs (4, 5, 6) which rise from said base (2) and are apt to engage and retain a binding system (9) for the dental arc;
 - a housing (3) for an orthodontic wire (8) which extends along the dental arc, which housing (3) is interposed between the tabs (4, 5, 6) of said plurality; and
 - a retaining member (7) for retaining the orthodontic wire within said housing (3),
 - 10 wherein said retaining member (7) faces said housing (3) and extends only along a limited segment (30) of the latter, the arrangement being such that said retaining member (7) abuts the orthodontic wire (8) received in said housing (3).
2. The orthodontic bracket (1) as claimed in claim 1, wherein said retaining member is in the form of a projecting fin (7).
- 15 3. The orthodontic bracket (1) as claimed in claim 1 or 2, wherein said retaining member (7) has a substantially wedge shaped profile.
4. The orthodontic bracket (1) as claimed in any of the previous claims, wherein said retaining member (7) is in a centred position relative to said housing (3).
5. The orthodontic bracket (1) as claimed in any of the previous claims, wherein
- 20 said retaining member (7) is integral with the remaining part of the bracket itself.
6. The orthodontic bracket (1) as claimed in any of the previous claims, wherein said retaining member (7) is constructed in piece-formed with the remaining part of the bracket itself.
7. The orthodontic bracket (1) as claimed in any of the previous claims, wherein
- 25 said retaining member (7) is arranged superiorly to the tabs (4, 5, 6) of said plurality.
8. The orthodontic bracket (1) as claimed in any of the previous claims, wherein said retaining member (7) has a rounded profile (70) apt not to injure the patient's tongue.
- 30 9. The orthodontic bracket (1) as claimed in any of the previous claims, having a thickness, defined between said base (2) and said retaining member (7), included in an interval of about 1+1.2 mm.
10. The orthodontic bracket (1) as claimed in any of the previous claims, wherein

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said plurality of tabs comprises a first (4), a second (5) and a third (6) tab, said first (4) and second (5) tab being arranged at the opposite side of said housing (3) with respect to said third tab (6).

5 11. The orthodontic bracket (1) as claimed in the previous claim, wherein said retaining member (7) is arranged between said first (4) and second (5) tab and is oriented in the opposite direction relative thereto.

12. The orthodontic bracket (1) as claimed in any of the previous claims, wherein the tabs (4, 5, 6) of said plurality have a rounded profile (40, 50, 60) apt not to injure the patient's tongue.

10 13. The orthodontic bracket (1) as claimed in any of the previous claims, wherein said housing (3) is in the form of a groove extending transversely relative to said base (2).

14. The orthodontic bracket (1) as claimed in any of the previous claims, wherein said housing (3) is defined by two or more walls set longitudinally side by side, having a cross section with a broken-line profile.

15 15. An orthodontic implant (100) for lingual orthodontics, comprising an orthodontic bracket (1) as claimed in any of the previous claims.

16. The orthodontic implant (100) as claimed in the previous claim, comprising an orthodontic wire (8) apt to be inserted in said housing (3) and, in such an arrangement, to abut said retaining member (7).

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